

FINAL REPORT
DATA MANAGEMENT STUDY
APPENDIX P

CONTRACTOR DATA REQUIREMENTS
RELATED PROJECT INTERFACES (RP)

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VOYAGER SPACECRAFT SYSTEM PROJECT

PREPARED FOR
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
NASA PASADENA OFFICE
PASADENA, CALIFORNIA

UNDER NASA CONTRACT No. NAS7-584

GENERAL  ELECTRIC

MISSILE AND SPACE DIVISION
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INTRODUCTION

1.1 DEFINITION - RELATED PROJECT INTERFACES

These data provide technical, administrative, and managerial information on related space programs and information regarding their effects on the Voyager Project. They identify plans, procedures, and management and technical techniques necessary to ensure dissemination and consideration of all related interface criteria.

1.2 SCOPE

Data items listed in this report reflect the mechanism by which a contractor would identify, acquire, and disseminate information about other space programs that might have an impact on Voyager.

The related project information subjects and their sources listed herein for reference represent the major areas of interest identified by the responsible managers of each functional management category. This information will normally be included in a contractor response to DRD RP-002, "Specification, Project Related Information, Identification and Acquisition," which places a requirement on a contractor's agency for a continuous search, abstracting, and indexing of the subjects specified and their identified sources.

Obtaining information and documents from the normal sources, such as NASA's STAR, RATR, PRINCE/APIC; DOD's TAB, IDEP, and ECRC, present no problems. It should be noted, however, that several of the subjects such as Acceptance Criteria, Appraisal Reports, Audit Reports, Design Review Results, Lessons Learned Reports, and Flight Results, about which current information would be valuable, are not available through these normal channels. It is suggested that a mechanism be established by NASA to provide these kinds of information to Voyager contractors. For example, contracts could require the submission of these kinds of documents to the proper agencies or to the Voyager Program/Project Office who would provide Indexes/Abstracts to Voyager contractors. Additionally, techniques could be provided by which a contractor would request, with authorization based on need-to-know and proprietary restrictions, and obtain information directly from other programs and contractors.

1.3 SUBJECTS

Acceptance criteria used for aerospace equipments.

Appraisal reports concerning contractor, suppliers, and vendor performance.

Audit team reports concerning contractors, suppliers, and vendors.

Bladders, flexible and metallic - New developments, performance reports, and test data.

Boosters - New developments, test data, and performance reports.

Cameras, television - New developments, new applications, test data, and performance reports.

Competitive program concepts - Information concerning application and objectives of these concepts.

Configuration management - Techniques, systems, procedures.

Control systems - New developments, applications, test data, and performance reports.

Cost comparison - Information concerning the cost ratios between the various functional management categories.

Customer directives - Customer-released information concerning scheduling, organization, organizational changes, finance, procurement, etc.

Data management - Techniques, systems and procedures.

Design reviews - Information concerning the results of the design reviews of other programs.

Design standards - Information concerning the standards for design used on other programs.

Detection devices (Cosmic dust, ion, noise, trapped radiation, radio frequency, solar radiation). New developments, application, test data and performance reports.

Failure reports, analyses, histories - Reports from other programs which may influence the design of Voyager and which may influence the reliability assessments and predictions.

Feasibility analyses - Information concerning the results of the analyses of proposed projects.

Flight environments - Space environments encountered and the findings thereof.

International Space Board Standards Agreements - Reports of these agreements such as allocated frequencies, nuclear fallout, etc.

Lessons learned - Information concerning successful as well as unsuccessful experiences of other projects including those of management and equipment.

Life data - Information concerning length-of-life histories of parts, components, and equipments used on other projects.

Life detection - Information concerning new developments, techniques, equipments, and findings related to life in space or other planets.

Magnetometers - New developments, applications, test data, and performance reports.

Maintainability analyses - Reports concerning maintainability concepts, problems, resolutions, etc.

Manned mission reports - Reports of findings, problems, resolutions, etc., which might effect future manned Mars missions.

Manned mission comparisons - Information concerning the progressive development of manned versus unmanned missions and the impact of one on the other.

Manufacturing techniques - New developments, applications, machinery, and processes.

Materials - New developments, applications, and results.

Mariner flights - Information concerning the results of the sequence of Mariner flights.

Parts Data - Data concerning qualification, history, failure rates, etc.

Planetary astronomy - Reports of techniques, equipments, study results, new projects, etc.

Probes, plasma - New developments, application, performance, and test data.

Process - Information on new process development and application.

Profiles, environmental - Reports on profiles encountered by spacecraft and spacecraft performance as a result of these environments.

Propellants - Information concerning new developments, systems, applications, orientation, design, performance, and test data. Includes monopropellants, solid propellants, and bi-propellants.

Propulsion, exhaust effects - Information concerning the effect of exhaust fumes on surrounding material and equipments.

Pyrotechnic devices - New developments, test data, and performance reports.

Qualification data and status - Reports concerning the qualification of parts, materials, processes, components, and equipments used on other programs.

Radiation - Reports concerning the effect of radiation on spacecraft and its components.

Radiometer (IR, microwave) - New developments, applications, test data, and performance results.

Reliability techniques - Information concerning new developments in the performance of reliability assessment, prediction, and models, including information on successful reliability plans.

Reproduction, graphic - Equipment, techniques, procedures.

Separation devices - Information concerning flight experience of the various types of devices.

Sounders, ionospheric - New developments, applications, performance result, and findings.

Space environments - Results and findings of all space shots related to their encountered environments.

Space science and technologies - Information on new developments and results of space shots and applications.

Spectrometers (UV, gamma ray) - New developments, applications, test data, and performance results.

Sterilization - Information concerning developments, performance results, design, materials, and processes.

Surface tension devices - New developments, application, test data, and performance results.

Telescope, cosmic ray - Applications, findings, and performance results.

Telemetry systems - Information concerning new developments, test data, and performance results.

Test equipment - New developments, new equipments, and new techniques.

Test reports - Reports of tests on equipments, components, parts, materials, and processes.

Thermal coatings - New developments, materials, performance results, and test data.

Thrust chambers - New developments, performance results, and test data.

1.4 SOURCES

Following are suggested sources of information:

Government

NASA

- Scientific and Technical Aerospace Reports (STAR)
- Tech Briefs
- Technology Utilization Reports
- Technology Surveys
- Technical Notes
- Technical Memorandums
- Contractor Reports
- Technical Translations
- Technical Publications
- Technical Reports
- International Aero-Space Abstracts
- PRINCE/APIC
- Space Activities Summaries
- FACTS
- Space Measurement Survey Reports
- Budget Estimates
- Report to the Space Science Board
- NASA Centers
- Reliability Abstracts and Technical Reviews (RATR)
- Index to Management Issuances (NHB 1410.5)

DOD

- Defense Document Center (DDC)
- Technical Abstracts Bulletin (TAB)
- Document Indexes

Miscellaneous

- Interservice Data Exchange Program (IDEP)
- Electronic Component Research Center (ECRC)
- Congressional Record
- Congressional Committee Reports
- National Science Advisory Council Reports

Professional Society Proceedings

Commercial

- Space Log (TRW)
- Commerce Business Daily
- DMS Market Intelligence Reports
- Space Business Daily
- Missile/Space Daily
- Aviation Week
- Technology Week
- Astronautics and Aeronautics

Company

- GE-MSD Documents Library
- Technical Reports Abstract Bulletin
- Technical Information Series (TIS) Reports
- Project Document Control Center
- Internally prepared project information
- Technical Memos
- Technical Reports
- Technical PIR's

DATA ITEM NUMBER	DATA ITEM	DESCRIPT
	RELATED PROJECT INTERFACES	
RP-001	Plan, Identification, Acquisition, and Dissemination of Related Project Information	Specifies the techniques, responsibilities, provide project-related information.
RP-002	Specification, Project Related Information Identification and Acquisition	Establishes the requirements for providing abstracting and indexing of specified subject by a library function.
RP-003	Index, Technical Documentation of Voyager Significance (Bi-Weekly)	Provides list and abstracts of technical documents, from selected sources, which may
RP-004	Index, Technical Documentation of Voyager Significance (Quarterly Cumulative)	Provides the same information as RP-003 contained in the seven previous bi-weekly
RP-005	*Request, Technical Information Document	A two-part form by which documents are requested. Functional approval
RP-006	*Request, Subject Search	A form to be used to request a complete search. Functional approval (A) as appropriate.
RP-007	*Abstract File	Provides a reference file of abstracts by subject, author, and date.
RP-008	*Report, Information Contact	Provides a procedure for disseminating information concerning related projects. Functional approval

* KEY INFORMAL DATA

DATA ITEM LIST/USER MATRIX

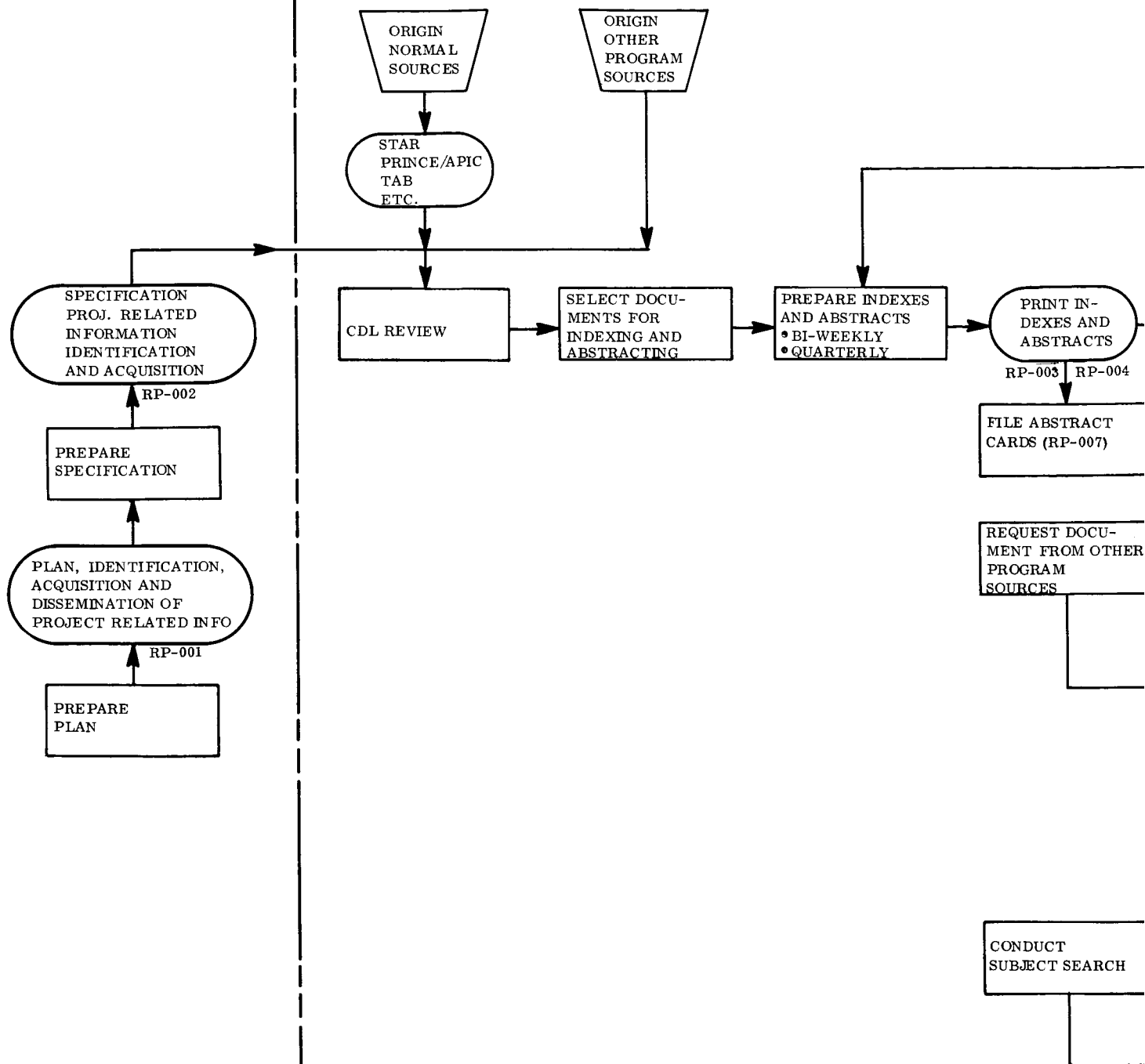
FUNCTION	APPLICABILITY TO FUNCTIONAL USERS AT CONTRACTOR LEVEL															
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g continuous searching, cts from specified sources	-	-	-	-	-	-	-	-	PM	-	-	-	-	R	-	
cumentation about selected y have an impact on Voyager	U	U	U	U	U	U	U	U	U	U	U	U	U	R	-	
but combines the information issues.	U	U	U	U	U	U	U	U	U	U	U	U	U	R	-	
requested. Second part is a l (A) as appropriate.	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-	
subject file search.	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-	
subjects, sources,	U	U	U	U	U	U	U	U	U	U	U	U	U	R	-	
formation obtained by individuals approval (A) as appropriate.	U	U	U	U	U	U	U	U	U	U	U	U	U	U	-	

						APPLICABILITY AT SUBCONTRACTOR/VENDOR/SUPPLIER LEVELS						APPLICABILITY TO PROJECT BOARDS											
						PRINCIPAL SUB-CONTRACTORS	MAJOR SUB-CONTRACTORS	KEY SUBCON AND VENDORS	OTHER VENDORS	KEY SUPPLIERS	KEY SUBSUPPLIERS	CONFIGURATION CONTROL	CONFIGURATION MANAGEMENT	DATA REVIEW	DESIGN REVIEW	FAILURE REVIEW	INTEGRATED SAFETY	INTEGRATED TEST	MAKE OR BUY	MATERIAL REVIEW	SOURCE EVALUATION	SOURCE SELECTION	
A	SA	AL	SI	RP	AM																		
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U	U	U	U	A	U	(C/S)	(C/S)	(C/S)	-	(C/S)	(C/S)	-	-	-	-	-	-	-	-	-	-	-	-
U	U	U	U	U	U	(C/S)	(C/S)	(C/S)	-	(C/S)	(C/S)	-	-	-	-	-	-	-	-	-	-	-	-
U	U	U	U	U	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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USER FLOW DIAGRAMS

Contractor - user flow diagrams show the relationship between Voyager system documentation and the activities undertaken by the prime spacecraft contractor. The diagrams are intended to be a communication tool which describes the project in terms which emphasize documentation and as a planning tool for the integration of data management activities into the overall project management scheme.

The project is considered in a generalized sense, in that subsystems and components are each treated as collective entities; that is, the documentation flows associated with the several subsystems are not distinguished. A single representative flow is presented.



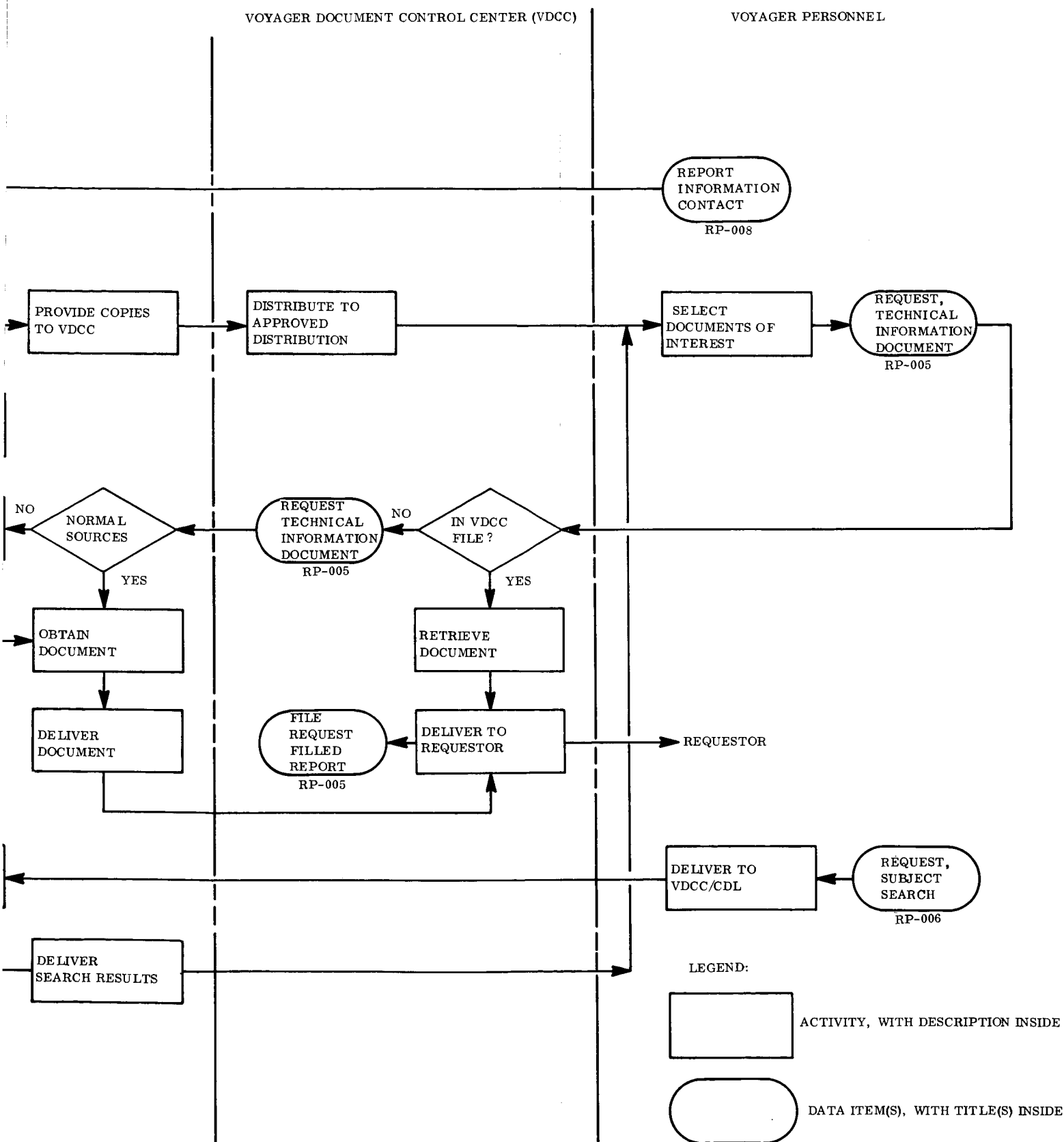


Figure P-1. Related Project Interfaces User Flow Diagram

Related Project Interface Data Requirement Descriptions

<u>DRD Number</u>	<u>Title</u>
RP-001	Plan, Identification, Acquisition, and Dissemination of Related Project Information
RP-002	Specification, Project Related Information Identification and Acquisition
RP-003	Index, Technical Documentation of Voyager Significance (Bi-Weekly)
RP-004	Index, Technical Documentation of Voyager Significance (Quarterly Cumulative)
RP-005	*Request, Technical Information Document
RP-006	*Request, Subject Search
RP-007	*Abstract File
RP-008	*Report, Information Contact

*Key Informal Data

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:		DATA CATEGORY:						
ORGANIZATION ORIGINATING REQUIREMENT:		CODE: RP	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: A.W. Morris		DATE: 7/28/67		CONTRACT NO.:	DRD NO.: RP-001				
TITLE OF DOCUMENT: PLAN, IDENTIFICATION, ACQUISITION, AND DISSEMINATION OF RELATED PROJECT INFORMATION					ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK:		DRL ITEM NO.:					
					ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:		LEVEL NO.:					
					ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:		FILE NO.:					
TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION					ORGANIZATION RESPONSIBLE FOR DOCUMENT STORAGE:		NO. OF COPIES: 50							
USE OF DOCUMENT: Used to specify the techniques, responsibilities, and procedures to be used to provide requested project-related information.					ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:							
					ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:							
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: RP-002, Specification, Project Related Information Identification and Acquisition					FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		PUBLICATION DATE: PDR		UPDATE (FREQUENCY OR MILESTONE): As required					
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FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER					KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX					REFERENCE DOCUMENTS: None				
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)					APPLICABLE STANDARDS:									
SUBMIT FOR REVIEW TO: _____					DATE _____					PREPUBLICATION PROOF _____		DATE _____		
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BY _____					BY _____					BY _____		BY _____		
Manager, Data Management														

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:
RP-001

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS: The plan prescribes, in detail, organizations and procedures which best assure satisfactory identification, acquisition, and dissemination of information concerning related projects of interest to Voyager personnel. Outline of plan contents is as follows:

1. Introduction - rationale behind the need for, selection of, and methods for acquiring documented information from other and related projects.
2. Scope and applicability - what, how, and whom the function covers.
3. General policies and procedures
4. Organization and responsibilities (includes interface and requirements placed on contractor library)
5. Administration
6. Appendixes
 - a. Organization
 - b. Interfaces
 - c. Procedures
 - d. Forms

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD RP-002

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:		DATA CATEGORY:						
ORGANIZATION ORIGINATING REQUIREMENT:		CODE: RP	OFFICE RESPONSIBLE FOR DRD: CODE:		DRD PREPARED BY: A.W. Morris		DATE: 7/28/67		CONTRACT NO.:	DRD NO.: RP-002				
TITLE OF DOCUMENT: SPECIFICATION, PROJECT RELATED INFORMATION IDENTIFICATION AND ACQUISITION					ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK:		DRL ITEM NO.:					
					ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:		LEVEL NO.:					
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INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: RP-001, Plan, Identification, Acquisition and Dissemination of Related Project Information					FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		PUBLICATION DATE: PDR							
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Manager, Data Management														

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

DRD NO.:
RP-002

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Scope
2. Applicable documents
3. Requirements
 - a. Frequency of search, abstracting, and indexing
 - b. Subjects about which search, etc., will be performed
 - c. Sources to be searched for information
 - d. Abstract requirements
 - e. Indexing requirements
 - f. Filing requirements
 - g. Requesting requirements
 - h. Retrieval requirements

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD RP-003

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:																												
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: RP	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: A.W. Morris	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: RP-003																												
TITLE OF DOCUMENT: INDEX, TECHNICAL DOCUMENTATION OF VOYAGER SIGNIFICANCE (BI-WEEKLY)				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK:	DRL ITEM NO.:																												
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USE OF DOCUMENT: Provides a list and abstracts of technical documentation about selected subjects, from various sources, which may have an impact on Voyager.				ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES: 100																													
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FORM OF DATA: KIND OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> ABSTRACT <input type="checkbox"/> INSTRUCTION <input type="checkbox"/> CHART <input type="checkbox"/> BROCHURE <input type="checkbox"/> LETTER <input type="checkbox"/> DIAGRAM <input type="checkbox"/> BULLETIN <input type="checkbox"/> LIST <input type="checkbox"/> DRAWING <input type="checkbox"/> CATALOG <input type="checkbox"/> LOG <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> CONTRACT <input type="checkbox"/> MANUAL <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MODEL <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> MINUTES <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> ENGINEERING CHANGE <input type="checkbox"/> PLAN <input type="checkbox"/> COMPUTER CARD ORDER <input type="checkbox"/> PROCEDURE <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> REQUEST FOR ENGINEER- <input type="checkbox"/> REGULATION <input type="checkbox"/> MICROFILM (W/OR W/O CARD) ING CHANGE PROPOSAL <input type="checkbox"/> REPORT <input type="checkbox"/> OTHER <input type="checkbox"/> ENGINEERING CHANGE <input type="checkbox"/> SCHEDULE PROPOSAL <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> HANDBOOK <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> INDEX <input type="checkbox"/> VOUCHER				REFERENCE DOCUMENTS: APPLICABLE STANDARDS:																															
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)																																			
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:35%;">DRAFT</th> <th style="width:15%;">DATE</th> <th style="width:35%;">PREPUBLICATION PROOF</th> <th style="width:15%;">DATE</th> </tr> </thead> <tbody> <tr> <td>SUBMIT FOR REVIEW TO: _____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____ BY _____</td> <td>_____</td> <td>_____ BY _____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>SUBMIT FOR APPROVAL TO: _____</td> <td>_____ BY _____</td> <td>_____ BY _____</td> <td>_____</td> </tr> <tr> <td colspan="2">Manager, Data Management</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>								DRAFT	DATE	PREPUBLICATION PROOF	DATE	SUBMIT FOR REVIEW TO: _____	_____	_____	_____	_____ BY _____	_____	_____ BY _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	SUBMIT FOR APPROVAL TO: _____	_____ BY _____	_____ BY _____	_____	Manager, Data Management		_____	_____
DRAFT	DATE	PREPUBLICATION PROOF	DATE																																
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SUBMIT FOR APPROVAL TO: _____	_____ BY _____	_____ BY _____	_____																																
Manager, Data Management		_____	_____																																

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:
RP-003

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Cover sheet containing
 - a. Title
 - b. Date of issue
 - c. Address
2. List of documents alphabetically by subject. Within each subject and document provide the following:
 - a. Abstract of contents
 - b. Identification number
 - c. Accession number
 - d. Document title
 - e. Author
 - f. Date of issue
 - g. Originating source
 - h. File location

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: RP	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: A.W. Morris	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: RP-004
TITLE OF DOCUMENT: INDEX, TECHNICAL DOCUMENTATION OF VOYAGER SIGNIFICANCE (QUARTERLY CUMULATIVE)				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK:	DRL ITEM NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:	FILE NO.:
TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input checked="" type="checkbox"/> INFORMATION				ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES: 100	
USE OF DOCUMENT: Provides quarterly cumulative list and abstracts of technical documentation about selected subjects from various sources which may have an impact on Voyager.				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:	
				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:	
				FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input checked="" type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input type="checkbox"/> OTHERWISE, AS SPECIFIED		PUBLICATION DATE: PDR	
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: RP-003, Index, Documentation of Voyager Significance (Bi-Weekly)				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:	
				FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input checked="" type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input type="checkbox"/> OTHERWISE, AS SPECIFIED		UPDATE (FREQUENCY OR MILESTONE): Not applicable	
				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		ESTIMATED EXPIRATION DATE:	
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED				<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN			
<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN							
FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER				KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input checked="" type="checkbox"/> INDEX			
				REFERENCE DOCUMENTS:			
				APPLICABLE STANDARDS:			
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)							
DRAFT		DATE		PREPUBLICATION PROOF		DATE	
SUBMIT FOR REVIEW TO:							
		BY				BY	
SUBMIT FOR APPROVAL TO:		BY				BY	
Manager, Data Management							

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:
RP-004

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Cover sheet containing
 - a. Title
 - b. Date of issue
 - c. Address
2. List of documents alphabetically by subject. Within each subject and document provide the following:
 - a. Abstract
 - b. Identification number
 - c. Accession number
 - d. Document title
 - e. Author
 - f. Date of issue
 - g. Originating source
 - h. File location

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:
RP-005

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

See page 3.

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

VOYAGER TECHNICAL DOCUMENT
REQUEST

Requestor Name	Pay No.	Bldg. No.	Room No.	Ext. No.
Retention	Book	S.O.		
Loan	Journal	Contract No.		
Purchase	Report	Approved		
Subscription	Other	Date Requested		
		Date Desired		
		Date Received		
Document Title		Classification		
		Number of Copies		
Subject				
Identification No. and Originator				
Author				
Publisher or Journal				
Agency & Agency No.				
GE Accession Number If Known				

REPRESENTATIVE FORMAT

Voyager Document Control Center
Room _____ Telephone _____

GE EXHIBIT DRD RP-006

VOYAGER DATA REQUIREMENT DESCRIPTION						DRD APPROVED BY:		DATE:		DATA CATEGORY:							
ORGANIZATION ORIGINATING REQUIREMENT:		CODE: RP		OFFICE RESPONSIBLE FOR DRD:		CODE:		DRD PREPARED BY: A.W. Morris		DATE: 7/28/67		CONTRACT NO.:		DRD NO.: RP-006			
TITLE OF DOCUMENT: *REQUEST, SUBJECT SEARCH									ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: All			TASK OR SUBTASK:			DRL ITEM NO.:		
									ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:			DRL NO.:			LEVEL NO.:		
									ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:			DDL NO.:			FILE NO.:		
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input checked="" type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION									ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:			NO OF COPIES 1					
USE OF DOCUMENT: Used to request a complete subject file search.									ESTIMATED MANHOURS FOR SINGLE PREPARATION:			INFORMATION CUTOFF DATE OR MILESTONE:					
									ESTIMATED COST (\$) FOR SINGLE PREPARATION:			DATE DATA DUE TO USER:					
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: RP-003, Index, Technical Documentation of Voyager Significance RP-005, Request, Technical Information Document									FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED As required			PUBLICATION DATE: Not applicable					
												UPDATE (FREQUENCY OR MILESTONE): Not applicable					
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED									<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN			<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN			ESTIMATED EXPIRATION DATE:		
FORM OF DATA: KIND OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> ABSTRACT <input type="checkbox"/> INSTRUCTION <input type="checkbox"/> CHART <input type="checkbox"/> BROCHURE <input type="checkbox"/> LETTER <input type="checkbox"/> DIAGRAM <input type="checkbox"/> BULLETIN <input type="checkbox"/> LIST <input type="checkbox"/> DRAWING <input type="checkbox"/> CATALOG <input type="checkbox"/> LOG <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> CONTRACT <input type="checkbox"/> MANUAL <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MODEL <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> MINUTES <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> PLAN <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> PROCEDURE <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> REGULATION <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> SCHEDULE <input type="checkbox"/> OTHER <input type="checkbox"/> SPECIFICATION _____ _____ <input type="checkbox"/> STANDARD _____ <input type="checkbox"/> VOUCHER _____ X Request									REFERENCE DOCUMENTS:								
									APPLICABLE STANDARDS:								
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)																	
SUBMIT FOR REVIEW TO: _____																	
BY _____																	
SUBMIT FOR APPROVAL TO: _____																	
BY _____																	
Not applicable																	

GE EXHIBIT DRD RP-006

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:
RP-006

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

See page 3.

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

VOYAGER DOCUMENT SEARCH REQUEST

Search

REPRESENTATIVE FORMAT

GE EXHIBIT DRD RP-007

VOYAGER DATA REQUIREMENT DESCRIPTION					DRD APPROVED BY		DATE	DATA CATEGORY						
ORGANIZATION ORIGINATING REQUIREMENT:		CODE: RP	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: A.W. Morris		DATE: 7/28/67	CONTRACT NO.:	DRD NO.: RP-007					
TITLE OF DOCUMENT: *ABSTRACT FILE					ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK:	DRL ITEM NO.:						
					ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:						
					ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:	FILE NO.:						
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input checked="" type="checkbox"/> INFORMATION					ORGANIZATION RESPONSIBLE FOR DOCUMENT STORAGE		NO OF COPIES							
USE OF DOCUMENT: Used as ready card file reference of information which has been abstracted pertaining to specific subjects.					ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:							
					ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:							
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: RP-002, Specification, Project Related Information Identification and Acquisition					FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input checked="" type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED		PUBLICATION DATE: Not applicable							
					CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED		<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN		ESTIMATED EXPIRATION DATE:			
FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER					KIND OF DATA: <input checked="" type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX					REFERENCE DOCUMENTS:				
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)														
SUBMIT FOR REVIEW TO: _____														
BY _____														
SUBMIT FOR APPROVAL TO: _____														
BY _____														
Not applicable														

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

DRD NO.:
RP-007

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

File shall contain abstracts filed by subject, date, source, and author.

Each file card to contain, as applicable:

1. Subject
2. Originator and report number
3. Author
4. Government agency file number
5. Project name
6. Accession number
7. Report title
8. Report date
9. Source
10. Abstract of information

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD RP-008

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE	DATA CATEGORY
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: RP	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: A.W. Morris	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: RP-008
TITLE OF DOCUMENT: *REPORT, INFORMATION CONTACT				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: All		TASK OR SUBTASK:	DRL ITEM NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:	FILE NO.:
				TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input checked="" type="checkbox"/> INFORMATION			
USE OF DOCUMENT: Used to disseminate information obtained by individuals as a result of contacts with other projects, departments, contractors, etc.				ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO OF COPIES 3	
				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:	
				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:	
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS:				FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED As required		PUBLICATION DATE: Not applicable	
						UPDATE (FREQUENCY OR MILESTONE): Not applicable	
						ESTIMATED EXPIRATION DATE:	
CLASSIFICATION:				<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED	
<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN							
FORM OF DATA:		KIND OF DATA:		REFERENCE DOCUMENTS:			
<input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER		<input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX					
				APPLICABLE STANDARDS:			
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)							
DRAFT		DATE		PREPUBLICATION PROOF		DATE	
SUBMIT FOR REVIEW TO:		BY		BY		BY	
SUBMIT FOR APPROVAL TO:		BY		BY		BY	
Not applicable							

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

DRD NO.:
RP-008

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Name of individual making report
2. Date of report
3. Name of contact
4. Date of contact
5. Name of firm, center, government agency, or professional society
6. Project name
7. Subject
8. Related information

Notes: 1. No proprietary information shall be solicited or received.
2. Report shall contain no classified or sensitive information.

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

DOCUMENTATION RELATIONSHIP TREES

A documentation relationship tree has been prepared to further develop the data base inter-relationships by identifying and presenting pictorially the relationships of all Voyager contractor data items within each functional category and by showing their relationships across categories.

Relationships within the functional category are shown by constructing a tier pattern beginning with the top-level (or governing) data item and relating, in descending order, all data items within the category to this top-level data item. (The location of a data item at a given level on the diagram does not necessarily indicate the importance of that specific item but identifies and defines its relation to all other data items in that category.)

Relationships between data items in one category and data items in other functional categories are shown by (1) arrows to indicate the direction of the relationship, and (2) an alphabetic code to indicate the nature of the interrelationship as follows:

- a. Data items needed for preparation and/or support of the referenced item. (I)
- b. Data items supported or needed by this data item. (S)
- c. Data items that relate "to" and provide information of a general nature but are not required in an input or support role. (G)

Each data item appearing on the Data Item List (DIL) was examined and evaluated with respect to its contribution to, or dependence on, data items appearing in other categories, and is included in the diagrams.

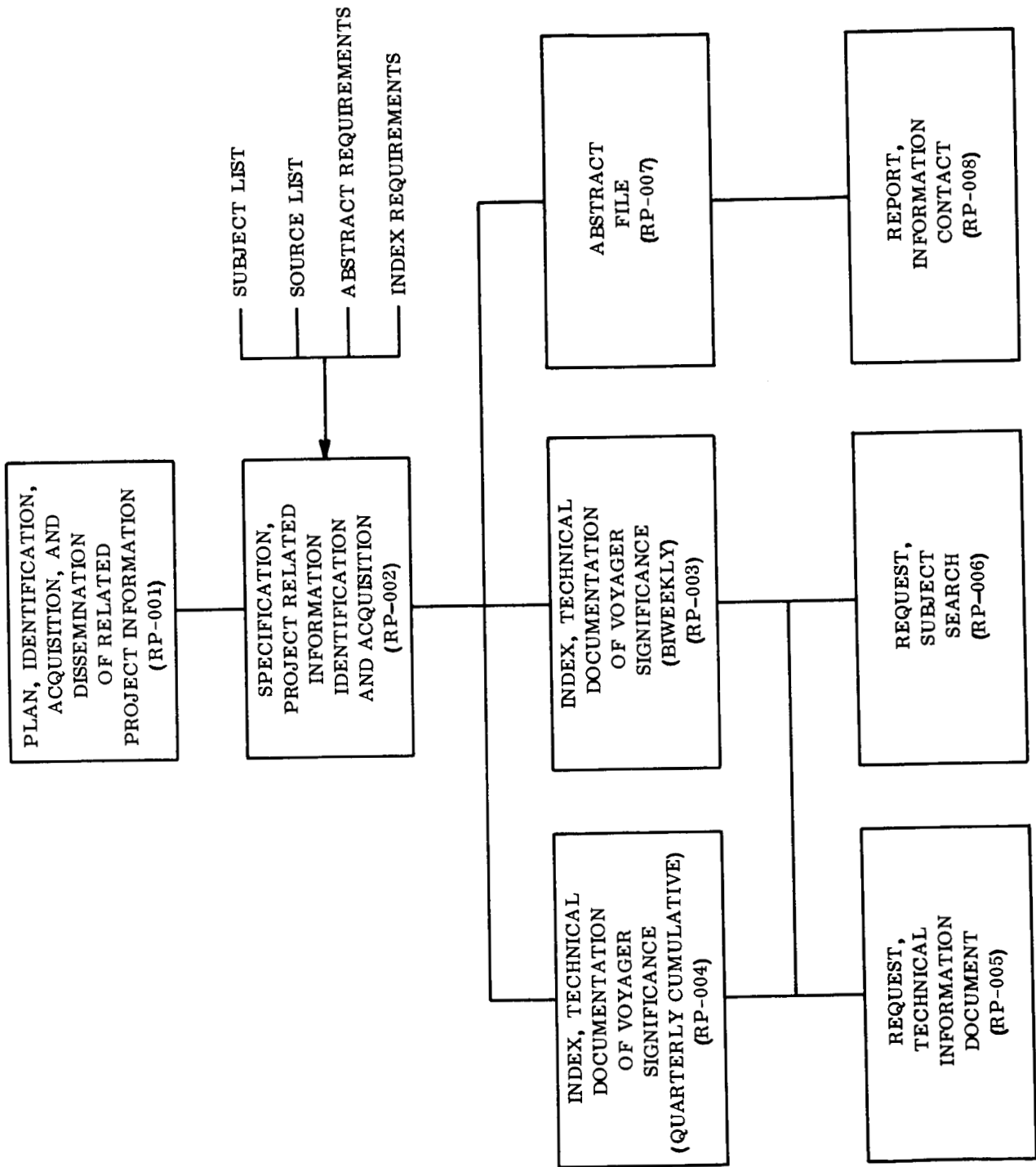


Figure P-2. Related Project Interfaces Documentation Relationship Tree (RP)

DATA ITEM PHASING/FREQUENCY

The data item frequency and phasing chart shows the requirements for contractor data item preparation by major project review periods. It is concerned with the phasing and frequency of preparation of each individual data item and not the total number of copies required for reproduction and distribution.

The following legend and/or abbreviations have been used:

A	Annual	Q	Quarterly
S/A	Semiannual	I	Initial
WK	Weekly	F	Final
MO	Monthly	N/R	New and revised
B/W	Biweekly	SDR	System design review
B/M	Bimonthly	PDR	Preliminary design review
O/T	One time	HDR	Hard design review
A/R	As required	CDR	Critical design review
U	Update	FACI	First article configuration inspection
I/U	One update	MAR	Mission acceptance review
DA	Daily	JFACT	Joint flight acceptance composite testing

6-3



FACI



MAR



J FACT

17 MO.

14 MO.

2.5 MO.

2.5 MO.

QUAN	FREQ	TOTAL	QUAN	FREQ	TOTAL	QUAN	FREQ	TOTAL	QUAN	FREQ	TOTAL
1	BW	37	1	BW	30	1	BW	5	1	BW	
1	Q	5	1	Q	5	1	Q	1	1	F	
3400	AR	3400	2800	AR	2800	500	AR	500	500	AR	
170	AR	170	140	AR	140	25	AR	25	25	AR	
100	M	1700	100	M	1400	100	M	250	100	M	
25	M	425	25	M	350	25	M	62	25	M	
-	-	-	1	F	1						
		5737			4726			843			

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